

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	BUSHEY, B. et al.)	PATENT
)	
Serial No.	10/693,525)	Group Art Unit: 2834
)	
Filed:	October 23, 2003)	Examiner: JONES, Judson
)	
Title:	LINEAR ACTUATOR CONTROL STRUCTURE)	Atty Docket No. 24,954-09RE
)	

MAIL STOP AMENDMENT
Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. § 1.97 or § 1.98, Applicant in the above-identified application submits this Information Disclosure Statement together with the enclosed form PTO-1449 in order to bring to the Examiner's attention references of which Applicant is aware and which may have some bearing on the examination of this case. Because this application was filed after June 30, 2003, copies of U.S. prior art documents are not enclosed.

This Information Disclosure Statement is not to be construed as a representation that a search has been conducted by Applicant or that no other material information exists. See 37 C.F.R. § 1.97(b). Furthermore, statements describing a particular reference indicate only Applicant's understanding of the teachings of that reference, and are not a representation that the reference has been reviewed completely or that no other pertinent or material information is contained in that reference.

Applicant submittal of these references or discussion thereof in this IDS or the Background of the specification is not to be construed as an admission that these references are prior art or material to the patentability of any pending claim.

After U.S. Patent 6,614,195 issued in September 2003, the assignee of the present invention inquired whether PG Drives Technology, Ltd. (formerly Penny & Giles Drives Technology, Ltd.), may have an interest in licensing U.S. Patent 6,614,195. In or around December, 2003, PG Drives Technology, Ltd., declined to enter a license agreement and 25513278.1

suggested that claims of U.S. Patent 6,614,195 were invalid based on PG Drive Technology, Ltd.'s prior use of "automatic end-stop" schemes for powered actuators prior to May 9, 2001. PG Drive Technology, Ltd. forwarded the attached documents which purportedly disclose information relating to the patentability of U.S. Patent 6,614,195. Applicant disagrees with PG Drive Technology, Ltd.'s contention of invalidity regarding U.S. Patent 6,614,195. Applicant denies that these documents provide a basis of invalidity of U.S. Patent 6,614,195 or support rejections of unpatentability in the present reissue application.


As this Information Disclosure Statement is being filed after receipt of the first Office Action, a \$180.00 fee is required. The Commissioner for Patents is authorized to deduct said fee from Fulbright & Jaworski L.L.P. Deposit Account No. 50/1212 (24,954-09RE).

Please direct any questions or comments regarding this application or Information Disclosure Statement to John F. Klos (612) 321-2806.

Dated this March 14, 2005.

Respectfully submitted,


TENNANT COMPANY,
by its attorneys,



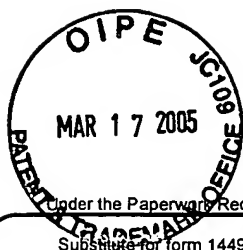
John F. Klos, Reg. No. 37,162
FULBRIGHT & JAWORSKI L.L.P.
2100 IDS Center
80 South Eighth Street
Minneapolis, MN 55402-2112

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8: I hereby certify that this paper and any papers referred to herein are being deposited with the U.S. Postal service, as first class mail, postage prepaid, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on March 14, 2005.

John F. Klos:



Signature



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449-PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 3

Complete if Known

Application Number	10/693,525
Filing Date	October 23, 2003
First Named Inventor	Bushey
Art Unit	2834
Examiner Name	Jones, Judson
Attorney Docket Number	24,954-09RE

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,729,663	04-1973	Stevenson et al.	
		US- 3,742,327	06-1973	Nettles	
		US- 4,074,179	02-1978	Kuo	
		US- 4,307,799	12-1981	Zouzoulas	
		US- 4,382,308	05-10-1983	Curcio	
		US- 4,415,941	11-1983	Gibeau et al.	
		US- 4,467,250	08-1984	Thomasson	
		US- 4,633,541	01-06-1987	Block	
		US- 4,674,142	06-23-1987	Meili	
		US- 4,757,566	07-19-1988	Field et al.	
		US- 4,763,219	08-1988	Nakamura	
		US- 4,764,711	08-1988	Deller	
		US- 4,794,314	12-1988	Janu	
		US- 4,879,642	11-1989	Malka	
		US- 4,965,501	10-1990	Hashimoto	
		US- 5,161,083	11-1992	Mohler	
		US- 5,264,781	11-1993	Miller	
		US- 5,416,397	05-1995	Mazzara et al.	
		US- 5,488,278	01-1996	McGraw et al.	

FOREIGN PATENT DOCUMENTS

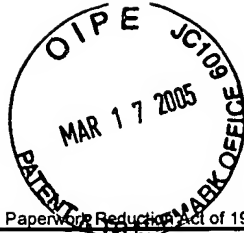
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

Application Number	10/693,525
Filing Date	October 23, 2003
First Named Inventor	Bushey
Art Unit	2834
Examiner Name	Jones, Judson
Attorney Docket Number	24,954-09RE

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,563,483	10-1996	Kowall	
		US- 5,585,702	12-1996	Jackson et al.	
		US- 5,589,749	12-1996	Davidson	
		US- 5,615,437	04-01-1997	Takahashi et al.	
		US- 5,663,622	09-1997	Sekiguchi	
		US- 5,729,067	03-1998	Janutka	
		US- 5,744,925	04-1998	Madsen	
		US- 5,771,393	06-1998	Asghar	
		US- 5,854,545	12-1998	Eibel	
		US- 5,914,849	06-1999	Perreira	
		US- 5,929,399	07-1999	Jamieson et al.	
		US- 5,965,960	10-1999	Cowan	
		US- 6,227,957	05-08-2001	Legatt et al.	
		US- 6,450,867	09-17-2002	Legatt	
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

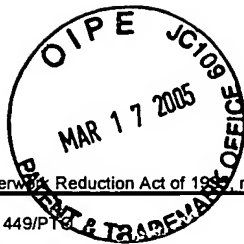
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of

3

Application Number

10/693,525

Filing Date

October 23, 2003

First Named Inventor

Bushey

Art Unit

2834

Examiner Name

Jones, Judson

Attorney Docket Number

24,954-09RE

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Brochure, "The PG8 Series of Wheelchair Controllers," Penny & Giles, 1 Airspeed Road, Christchurch, Dorset BH23 3TH UK (no date available).	
		Brochure, "The Pilot+ Family of Wheelchair Controllers," Penny & Giles, 1 Airspeed Road, Christchurch, Dorset BH23 3TH UK (no date available).	
		Drawing, "Pilot+ ALM-2 (Quickie)," February 3, 1999.	
		Drawing, "Pilot+ Joystick Module - 7 Key," September 22, 1997.	
		Drawing, "Pilot+ Power Module With 1.0m Cable," February 12, 1998.	
		Brochure, "VSI Series of Integral Wheelchair Controllers	
		Drawing, D 50149, dated Nov. 14, 2001	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.